

GenCore version 5.1.3  
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OM protein - protein search, using sw model

Run on: November 4, 2002, 01:59:50 ; Search time 15.2342 seconds  
(without alignments)  
710.747 Million cell updates/sec

Title: US-09-805-550-4  
Perfect score: 1910  
Sequence: 1 MKLVKTLKGTHEIRVQPN.....CDNEELANYLEHAGEED 368

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08  
Maximum Match 1008  
Listing first 45 summaries

Database :  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCITUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1910	100.0	368	US-09-413-574-4	Sequence 4, App11
2	900.5	47.1	405	US-09-413-574-2	Sequence 2, App11
3	182	9.5	79	US-09-100-802-4	Sequence 4, App11
4	164	8.6	81	US-09-100-802-5	Sequence 5, App11
5	154	8.1	915	US-08-480-917-2	Sequence 2, App11
6	154	8.1	915	US-09-138-736-2	Sequence 2, App11
7	154	8.1	915	US-08-988-242-2	Sequence 2, App11
8	133.5	7.0	1274	US-09-095-443-2	Sequence 2, App11
9	126.5	6.6	156	US-09-070-060-7	Sequence 7, App11
10	126.5	6.6	156	US-09-051-969A-3	Sequence 3, App11
11	126.5	6.6	156	US-09-051-969A-4	Sequence 4, App11
12	126.5	6.6	156	US-09-357-746-7	Sequence 7, App11
13	126.5	6.6	160	US-09-370-838-205	Sequence 205, App11
14	126.5	6.6	229	US-08-726-306A-23	Sequence 23, App11
15	126.5	6.6	229	US-08-840-146-20	Sequence 20, App11
16	126.5	6.6	229	US-09-360-220-20	Sequence 20, App11
17	126	6.6	2616	5206163-3	Patent No. 5206163
18	125.5	6.6	198	US-08-988-242-19	Sequence 19, App11
19	125.5	6.6	352	US-08-854-764-2	Sequence 2, App11
20	125.5	6.6	352	PCT-US95-09377-2	Sequence 8, App11
21	123.5	6.5	76	US-08-817-787-8	Sequence 8, App11
22	122.5	6.4	76	US-09-070-060-8	Sequence 8, App11
23	122.5	6.4	76	US-09-357-746-8	Sequence 8, App11
24	122.5	6.4	76	US-08-817-787-1	Sequence 1, App11
25	122.5	6.4	76	US-09-100-802-1	Sequence 1, App11
26	122.5	6.4	76	US-09-331-930A-26	Sequence 26, App11
27	122.5	6.4	103	US-08-771-201-9	Sequence 9, App11

28	122.5	6.4	114	2	US-08-771-201-10	Sequence 10, App11
29	122.5	6.4	147	2	US-08-771-201-11	Sequence 11, App11
30	121	6.3	1121	1	US-07-789-915A-2	Sequence 2, App11
31	121	6.3	1121	1	US-08-005-002C-2	Sequence 2, App11
32	121	6.3	1121	1	US-08-487-203A-2	Sequence 2, App11
33	119.5	6.3	323	2	US-08-747-788-2	Sequence 2, App11
34	119.5	6.3	323	4	US-09-300-681B-2	Sequence 2, App11
35	117.5	6.2	533	1	US-08-462-092-2	Sequence 2, App11
36	117.5	6.2	533	3	US-08-746-822-2	Sequence 2, App11
37	117.5	6.2	533	3	US-09-094-350-2	Sequence 2, App11
38	117.5	6.2	533	6	5510474-2	Patent No. 5510474
39	116	6.1	447	4	US-09-480-921B-6	Sequence 6, App11
40	115	6.0	158	4	US-09-091-725-25	Sequence 25, App11
41	114.5	6.0	76	1	US-08-232-815-2	Sequence 2, App11
42	114.5	6.0	76	1	US-08-350-906-2	Sequence 2, App11
43	114.5	6.0	76	5	PCT-US95-04536-2	Sequence 2, App11
44	114.5	6.0	78	4	US-09-482-611B-102	Sequence 102, App11
45	114.5	6.0	101	4	US-09-482-611B-101	Sequence 101, App11

ALIGNMENTS

RESULT 1									
US-09-413-574-4									
; Sequence 4, Application US/09413574									
; Patent No. 6235972									
; GENERAL INFORMATION:									
; APPLICANT: Mahajan, Pramod B.									
; TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof									
; FILE REFERENCE: 0964									
; CURRENT APPLICATION NUMBER: US/09/413,574									
; CURRENT FILING DATE: 1999-10-06									
; EARLIER APPLICATION NUMBER: 60/109,728									
; EARLIER FILING DATE: 1998-11-23									
; NUMBER OF SEQ ID NOS: 5									
; SOFTWARE: FastSeq for Windows Version 3.0									
; SEQ ID NO 4									
; LENGTH: 368									
; TYPE: PRT									
; ORGANISM: Zea mays									
US-09-413-574-4									
Query Match									
Best Local Similarity 100.0%; Score 1910; DB 4; Length 368;									
Matches 368; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	MKLVKTLKGTHEIRVQPN	DTIMAVKKNIEIOGKDSYPMGOOLLIFNGKVKLDESTLE	60					
DB	1	MKLVKTLKGTHEIRVQPN	DTIMAVKKNIEIOGKDSYPMGOOLLIFNGKVKLDESTLE	60					
QY	61	ENKVNEDGFLVWMLSKTKSGTSS	SHSNPRTQAPLEPQAPPAPIITTSQ	120					
DB	61	ENKVNEDGFLVWMLSKTKSGTSS	SHSNPRTQAPLEPQAPPAPIITTSQ	120					
QY	121	PEGLPAAPVTHDHAASNL	SGRNVDTIINQIMEMGSGSDKDKVORALAAVNNPRAV	180					
DB	121	PEGLPAAPVTHDHAASNL	SGRNVDTIINQIMEMGSGSDKDKVORALAAVNNPRAV	180					
QY	181	EYLSGIPVTAETIAVPI	IGGCGANTTDRAPTGEGAGLSIPTAPLIDLPFGASNAGGAGG	240					
DB	181	EYLSGIPVTAETIAVPI	IGGCGANTTDRAPTGEGAGLSIPTAPLIDLPFGASNAGGAGG	240					
QY	241	GPIDFLNNPOFOAVR	EMVHTNPQIDPMVEISKQPOLRLIEHNHDFLOLNPEE	300					
DB	241	GPIDFLNNPOFOAVR	EMVHTNPQIDPMVEISKQPOLRLIEHNHDFLOLNPEE	300					
QY	301	GGEDFDLQPEDEMDPA	ISVTPPEGEAIGRLBSMGFDRAVLEAFACDRNEELANYL	360					
DB	301	GGEDFDLQPEDEMDPA	ISVTPPEGEAIGRLBSMGFDRAVLEAFACDRNEELANYL	360					
QY	361	LEHAGEED	368						

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Db          361 LEHAGEED 368
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RESULT 2
US-09-413-574-2
; Sequence 2, Application US/09413574
; Patent No. 6235972
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof
; FILE REFERENCE: 0964
; CURRENT APPLICATION NUMBER: US/09/413,574
; EARLIER FILING DATE: 1999-10-06
; EARLIER APPLICATION NUMBER: 60/109,728
; EARLIER FILING DATE: 1998-11-23
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 405
TYPE: PRT
ORGANISM: Zea mays
US-09-413-574-2
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Query Match 47.1%; Score 900.5; DB 4; Length 405;
Best Local Similarity 49.0%; Pred No.54e-73;
Matches 197; Conservative 53; Mismatches 117; Indels 35; Gaps 7;

QY 1 MKLVTKLKGTHERIRVQPNDDTMAVRKNTETIOGKDSYPGQOLLIFNGKVLKDESTLE 60
Db 1 MKLVKTKLKGTHERIRVQPNDDTMAVRKNTETIOGKDSYPGQOLLIFNGKVLKDESTLE 60
QY 61 ENKYNEDGELVYMLSKRSTSGSTSSQSSNTPATQAP-----PLEAPQAP-QPPVA 114
Db 61 SNGVAENSEFLVIMLSKAKAS--SSGASTATTAKAPATTAQAPAPVAPASVAPRPPTQAPVA 119
QY 115 PITYSOEGILPAQAP-----NTHDAAASNLISGRVDTILINLMEMGGSDMDK 164
Db 120 TAEFAAPSVQQAAPATVATADADVYSQAASNLVGNLLEDTIQIILDMGGSTHERDT 179
QY 165 VQRLRAAYNNPEAVEVLYSGIPVTAE---IAVPIGGGANTTDRAPTGEA----- 213
Db 180 VVRLRAAYNNPEKAIYLYSGIPENVEAPVAPAPAAQGTQQAASPAQAPVALPVQP 239
QY 214 -GLSGINTAPLDLDFPOGASNAGS-----GAGGGPLDFTLRNNPQAPVEMHTNPQ 266
Db 240 SPASAGRPANPLNLPFGVPSGGSNPGVVPDAGSGALDALRQLPQVALQLVQANPQ 299
QY 267 QPMVLSEKONPQILRIEENHDEFLQLLNPEPEGEGDEFLDPEDEEMHAISVPEEQ 326
Db 300 QPMQLGELGKONPQILRIEENQAEFLVLVNESPEGGCGNLIQGLAANVQILTVIPEER 359
QY 327 EAIGRLSEMGFDRARVTEAFIACDRNEELANLILHAGEED 368
Db 360 EAIGRLSEMGFNRRLVLEFFACNKKDELTANYLLDHGHEFD 401

RESULT 3
US-09-100-802-4
Sequence 4, Application US/09100802A
Patent No. 6294363
GENERAL INFORMATION:
APPLICANT: Madura, Kitran
TITLE OF INVENTION: Methods and Compositions for the Rapid
TIME OF INVENTION: Purification of Proteasomes and Methods of Use of Components
TITLE OF INVENTION: Theroif
FILE REFERENCE: UMDN97-11
CURRENT APPLICATION NUMBER: US/09/100,802A
CURRENT FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: 60/050,171
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 17

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: SOFTWARE:FastSeq for Windows Version 3.0
: SEQ ID NO 4
: LENGTH: 79
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Synthetic Sequence
US-09-100-802-4

Query Match          9.5%; Score 182; DB 4; Length 79;
Best Local Similarity 43.6%; Pred. NO. 2.2e-09;
Matches 34; Conservative 23; Mismatches 21; Indels 0; Gaps 0;

QY      1 MKLYVTKLKGHFEELRVQPNDTIMAVKKNIEIQGKDSYPMGQQLILFNKGVLKDESTLE 60
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      1 MQVLTKTQQQOTFKDIDPEETFKALKKEIESEKSKDAFPVAGQGLIYAGKITLNDTALK 60
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY      61 ENKVNEDGEFLVYVMSLKGK 78
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      61 EYKIDENKFNVVVVMVTKPK 78
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RESULT 4
US-09-100-802-5
; Sequence 5, Application US/09100802A
; Patent No. 6294363
; GENERAL INFORMATION:
; APPLICANT: Madura, Kiran
; TITLE OF INVENTION: Methods and Compositions for the Rapid
; TITLE OF INVENTION: Purification of Proteasomes and Methods of Use of Components
; TITLE OF INVENTION: Phereof
; FILE REFERENCE: UMDN97-11
; CURRENT APPLICATION NUMBER: US/09/100.802A
; CURRENT FILING DATE: 1998-06-19
; EARLIER APPLICATION NUMBER: 60/050,171
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 81
; TYPE: PRY
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-100-802-5

Query Match      8.6%; Score 164; DB 4; Length 81;
Best Local Similarity 38.2%; Pred. No. 9,7e-08;
Matches 29; Conservative 26; Mismatches 21; Indels 0; Gaps 0;

QY      3  LTVKLKSTHEPIRQPNDTIMAVKKNIEIGKDSYPWGQOOLLINGKVLKDESTLEEN 62
      :|::|:  :|::|:|:|:|:  :|:|  :|:|:|  |  ||:|:|  |  :  :
Db      5  ITLKLQOQTFIRINEPDETVALKEIKELAEKGRDAFPVAGKRLIYAGNLSDPVIRDY 64
      :|:|  :|:|  :|:|:|:|:|  :|:|  :|:|:|:|:|  :|:|  :|:|:|  :|:|
QY      63  KVNEDGLVAVLMSKGR 78
      :|:|  |:|:|:|:|  |
Db      65  RIDEKNEFYVAVMTKTK 80

RESULT 5
US-08-480-917-2
; Sequence 2, Application US/08480917
; Patent No. 5820864
; GENERAL INFORMATION:
; APPLICANT: PARANHOS-BACCALA, Glauclia
; APPLICANT: LESENECHAL, Mylene
; APPLICANT: JOLIVET, Michel
; TITLE OF INVENTION: NEW TRYPANOSOMA CRUZI ANTIGEN, AND GENE
; TITLE OF INVENTION: ENCODING THE LATTER, THEIR APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: CHAGAS DISEASE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ollif & Berridge

```

STREET: 700 South Washington Street, Suite 300  
CITY: Alexandria  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22314  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/480,917  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Berridge, William P.  
REGISTRATION NUMBER: 30,024  
REFERENCE/DOCKET NUMBER: WPB 36400  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-836-6400  
TELEFAX: 703-836-2787  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 915 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "protein"  
US-08-480-917-2

Query Match 8.1%; Score 154; DB 2; Length 915;  
Best Local Similarity 22.9%; Pred. No. 2.8e-05;  
Matches 56; Conservative 43; Mismatches 126; Indels 20; Gaps 6;

QY 57 STLEENKVNEDGFLVYMLSKGTSGTSSOSHNTPATQAPPLPQAPPPVAPI 116  
DB 356 SRREBQPGQTSVAVATAPKPCVSSGTDAASSHNTTSAASAASPPASAPKKAAP- 414  
QY 117 TTSPQEGLPQAPPTHDNAASNLGSRNVDITIIQLMEMGGGSMDDKQVQALAAVNNP 176  
DB 415 -----PAARSAEPHYGSKIITANLVNOLGINVTORSVSTGAPATRR---STAIVSTTTAP 467  
QY 177 ERAVEYISGIPVTAELAVPIGGOGANTTDRA---PTGEAGLSGIPNTAPILDFPQASN 233  
DB 468 QRTSPYGNRPYTAGLVAAANSASPTAAKPTGEKASACETSSVAINATRPAL 527  
QY 234 AGGAGGCPDLPFLNNPOFQAVREKVTNPOIILQPMVELSKONPOIIRL-----IEENHD 289  
DB 528 HNASLPQAPPTDGLAAAVYQSEGE-VHOSLERLESVITNTSR---VLKILPDTIRRDHE 582  
QY 290 EFLQI 294  
DB 583 QLNLI 587  
RESULT 6  
US-09-138-736-2  
Sequence 2, Application US/09138736  
Patent No. 6270767  
GENERAL INFORMATION:  
APPLICANT: PARANHOS-BACCALA, GLAUCIA  
APPLICANT: LESENECHAL, MYLENE  
APPLICANT: JOLIVET, MICHEL  
TITLE OF INVENTION: NEW TRYPAOSOMA CRUZI ANTIGEN, AND GENE  
TITLE OF INVENTION: ENCODING THE LATTER, THEIR APPLICATION TO THE DETECTION OF  
TITLE OF INVENTION: CHAGAS DISEASE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Oliff & Berridge  
STREET: 700 South Washington Street, Suite 300  
CITY: Alexandria  
STATE: Virginia

COUNTRY: U.S.A.  
ZIP: 22314  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/138,736  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/480,917  
FILING DATE: 07-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Berridge, William P.  
REGISTRATION NUMBER: 30,024  
REFERENCE/DOCKET NUMBER: WPB 36400  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-836-6400  
TELEFAX: 703-836-2787  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 915 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "protein"  
US-09-138-736-2

Query Match 8.1%; Score 154; DB 4; Length 915;  
Best Local Similarity 22.9%; Pred. No. 2.8e-05;  
Matches 56; Conservative 43; Mismatches 126; Indels 20; Gaps 6;

QY 57 STLEENKVNEDGFLVYMLSKGTSGTSSOSHNTPATQAPPLPQAPPPVAPI 116  
DB 356 SRREBQPGQTSVAVATAPKPCVSSGTDAASSHNTTSAASAASPPASAPKKAAP- 414  
QY 117 TTSPQEGLPQAPPTHDNAASNLGSRNVDITIIQLMEMGGGSMDDKQVQALAAVNNP 176  
DB 415 -----PAARSAEPHYGSKIITANLVNOLGINVTORSVSTGAPATRR---STAIVSTTTAP 467  
QY 177 ERAVEYISGIPVTAELAVPIGGOGANTTDRA---PTGEAGLSGIPNTAPILDFPQASN 233  
DB 468 QRTSPYGNRPYTAGLVAAANSASPTAAKPTGEKASACETSSVAINATRPAL 527  
QY 234 AGGAGGCPDLPFLNNPOFQAVREKVTNPOIILQPMVELSKONPOIIRL-----IEENHD 289  
DB 528 HNASLPQAPPTDGLAAAVYQSEGE-VHOSLERLESVITNTSR---VLKILPDTIRRDHE 582  
QY 290 EFLQI 294  
DB 583 QLNLI 587  
RESULT 7  
US-08-988-242-2  
Sequence 2, Application US/08988242  
Patent No. 6403103  
GENERAL INFORMATION:  
APPLICANT: PARANHOS-BACCALA, GLAUCIA  
APPLICANT: LESENECHAL, MYLENE  
APPLICANT: JOLIVET, MICHEL  
APPLICANT: MANDRAND, BERNARD  
TITLE OF INVENTION: NEW TRYPAOSOMA CRUZI ANTIGEN, GENE  
TITLE OF INVENTION: ENCODING THEREFOR, AND METHODS OF DETECTING AND TREATING  
TITLE OF INVENTION: CHAGAS DISEASE  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Oliff & Berridge, PLC  
STREET: P.O. BOX 19928  
CITY: Alexandria

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STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/988,242
FILING DATE: 10-DEC-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bettidge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPA 36400A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6400
TELEFAX: 703-836-2787
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 915 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: /desc = "protein"
US-08-988-242-2

Query Match      8.1%; Score 154; DB 4; Length 915;
Best Local Similarity 22.9%; Pred. No. 2.8e-05;
Matches 56; Conservative 43; Mismatches 126; Indels 20; Gaps 6;

QY 57 STLEENKVEDGLVYMLSKGTSGTSSQSHNTPATRQAPLEAPQAPQAPVAPI 116
DB 356 SREBQPOQKTSVATAPKGCSSGTDASSHTTGAASAASPPVSNAPAKAAAP 414
QY 117 TTSQPGLEPAQAPNTHDNAANLISGRNVDTIINQLEMKGGSWMDKQVORALRAAYNMP 176
DB 415 ---PAAASAEHPVSKITIANLVNOLGINVORSVSTGAPATVR---STAATSTTAP 467
QY 177 ERAVELYSGIPTAEIANTPIGGGANTDRA---PTGEAGISGINTAPLDLFPQGAN 233
DB 468 QRTSPYGHNGRPVTAQVLAANSASASSPTAAKPTGEEKASACETSSVALINATPAPL 537
QY 234 AGGAGGGLDFLRNNPOQAVREMYHTNPQILQPMVLVLSKONPOLRL---IEENHD 289
DB 528 HNASLPQAPTDGVLAAVYQSEGE-VHOSLERLESYITMSR---VKLILPPTIRRDHE 582
QY 290 EPLQL 294
DB 583 QLNL 587
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RESULT 8  
US-09-095-443-2  
Sequence 2, Application US/09095443  
Patent No. 6342593

GENERAL INFORMATION:  
APPLICANT: Plovman, Gregory  
APPLICANT: Peles, Elor  
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT  
TITLE OF INVENTION: OF ALP RELATED DISORDERS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fitch Street  
STREET: Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:

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MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,443
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/049,477
FILING DATE: June 12, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 235/055
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1274 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-095-443-2

Query Match      7.0%; Score 133.5; DB 4; Length 1274;
Best Local Similarity 25.3%; Pred. No. 0.0032;
Matches 85; Conservative 26; Mismatches 108; Indels 117; Gaps 17;
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RESULT 9  
US-09-070-060-7  
Sequence 7, Application US/09070060  
Patent No. 5976849

GENERAL INFORMATION:  
APPLICANT: Hustad, Carolyn M.  
APPLICANT: Ghildyal, Namit  
TITLE OF INVENTION: Human E3 Ubiquitin Protein  
TITLE OF INVENTION: Ligase  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ZENCA Pharmaceuticals, Inc.  
STREET: 1800 Concord Pike  
CITY: Wilmington  
STATE: DE

COUNTRY: USA  
ZIP: 19850-5437  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/070,060  
FILING DATE: 30-APR-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/073,839  
FILING DATE: 05-FEB-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Higgins, Patrick H  
REGISTRATION NUMBER: 39,709  
REFERENCE/DOCKET NUMBER: PHM.70312  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 302.886.4889  
TELEFAX: 302.886.8221  
TELEX:  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-09-070-060-7

Query Match 6.6%; Score 126.5; DB 2; Length 156;  
Best Local Similarity 35.4%; Pred. No. 0.00061;  
Matches 34; Conservative 16; Mismatches 37; Indels 9; Gaps 2;

QY 1 MKLTVKTLKGTHTFIRVQNDTIMAVKKNIEIGKDSYPMGQQLIFNGKVLKDESTLE 60  
DB 1 MQIFVKLTGKTTITLEVPSDTLENV--AKIDKEGIPPDQRLIFAGKQLEDGRTL 57  
QY 61 ENKVNEDGFLVYML-----SKGTSGSTGTSSSH 90  
DB 58 DYNIOKESTLHLVLRNGAKRRKKSYTTPKKKKH 93

RESULT 10  
US-09-051-969A-3  
Sequence 3, Application US/09051969A  
GENERAL INFORMATION:  
APPLICANT: ENENKEL, BARBARA  
APPLICANT: GANNON, FRANK  
APPLICANT: BERGEMANN, KLAUS  
APPLICANT: NOE, WOLFGANG  
TITLE OF INVENTION: INTENSIVE HOMOLOGOUS PROMOTER OBTAINED  
TITLE OF INVENTION: FROM HAMSTERS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
STREET: 1100 NEW YORK AVENUE, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/051,969A  
FILING DATE: 1998-09-30  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:

NAME: FLESHNER, RAZ E.  
REGISTRATION NUMBER: 34,331  
REFERENCE/DOCKET NUMBER: 0652.1690000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-051-969A-3

Query Match 6.6%; Score 126.5; DB 3; Length 156;  
Best Local Similarity 35.4%; Pred. No. 0.00061;  
Matches 34; Conservative 16; Mismatches 37; Indels 9; Gaps 2;

QY 1 MKLTVKTLKGTHTFIRVQNDTIMAVKKNIEIGKDSYPMGQQLIFNGKVLKDESTLE 60  
DB 1 MQIFVKLTGKTTITLEVPSDTLENV--AKIDKEGIPPDQRLIFAGKQLEDGRTL 57  
QY 61 ENKVNEDGFLVYML-----SKGTSGSTGTSSSH 90  
DB 58 DYNIOKESTLHLVLRNGAKRRKKSYTTPKKKKH 93

RESULT 11  
US-09-051-969A-4  
Sequence 4, Application US/09051969A  
GENERAL INFORMATION:  
APPLICANT: ENENKEL, BARBARA  
APPLICANT: GANNON, FRANK  
APPLICANT: BERGEMANN, KLAUS  
APPLICANT: NOE, WOLFGANG  
TITLE OF INVENTION: INTENSIVE HOMOLOGOUS PROMOTER OBTAINED  
TITLE OF INVENTION: FROM HAMSTERS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
STREET: 1100 NEW YORK AVENUE, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/051,969A  
FILING DATE: 1998-09-30  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: FLESHNER, RAZ E.  
REGISTRATION NUMBER: 34,331  
REFERENCE/DOCKET NUMBER: 0652.1690000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-051-969A-4

Query Match 6.6%; Score 126.5; DB 3; Length 156;



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; Sequence 20, Application US/08840146
; Patent No. 6037173
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, M. Alexandra
; TITLE OF INVENTION: THERAPEUTIC COMPOSITIONS AND METHODS AND
; TITLE OF INVENTION: DIAGNOSTIC ASSAYS FOR DISEASES INVOLVING TRBP
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/840,146
; FILING DATE: 11-APR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MIA-018.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 229 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-840-146-20

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Query Match 6.64; Score 126.5; DB 3; Length 229;
Best Local Similarity 38.64; Pred. No. 0.0011;
Matches 39; Conservative 16; Mismatches 35; Indels 11; Gaps 4;
QY 1 MKLTVTIKGTHTFIRVQPNPTIMAVKKNIEIGKDSYPMGQQLIFNGKVLKDESTLE 60
   |::||| |::|::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 1 MQIFVKITLTGKTTILEVEPSDIENVK--AKIQDKGIIPPDQRLIFAGKQLEDGRRLS 57
   |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
QY 61 ENKYNEDG--FLVYMLSKG-----KT--SGSTGTSSSQHSNT 93
   |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 58 DYNIQESTLHLVLRGGMQIFVKITLTGKTTILEVEPSDT 98
   |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|

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Search completed: November 4, 2002, 02:04:49  
 Job time : 18.2342 secs

